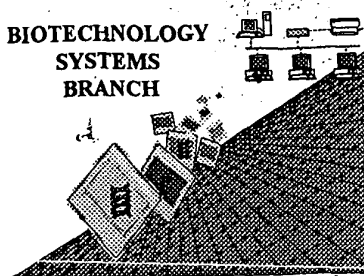


RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/736,968

Source: OIR

Date Processed by STIC: 10/30/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/736,968

DATE: 10/30/2001

TIME: 11:19:58

Input Set : A:\-6-1-1.app

Output Set: N:\CRF3\10302001\I736968.raw

Does Not Comply
Corrected Diskette Needed

pp 2-4

OK->

3 <110> APPLICANT: Lu, Peter
4 Garman, Jonathan David
5 Candia III, Albert Frederick
6 Arbor Vita Corporation
8 <120> TITLE OF INVENTION: CLASP-7 Transmembrane Protein
10 <130> FILE REFERENCE: 020054-000611US
12 <140> CURRENT APPLICATION NUMBER: US 09/736,968
13 <141> CURRENT FILING DATE: 2001-10-12
15 <150> PRIOR APPLICATION NUMBER: US 60/160,860
16 <151> PRIOR FILING DATE: 1999-10-21
18 <150> PRIOR APPLICATION NUMBER: US 60/162,498
19 <151> PRIOR FILING DATE: 1999-10-29
21 <150> PRIOR APPLICATION NUMBER: US 60/170,453
22 <151> PRIOR FILING DATE: 1999-12-13
24 <150> PRIOR APPLICATION NUMBER: US 60/176,195
25 <151> PRIOR FILING DATE: 2000-01-14
27 <150> PRIOR APPLICATION NUMBER: US 60/182,296
28 <151> PRIOR FILING DATE: 2000-02-14
30 <150> PRIOR APPLICATION NUMBER: US 09/547,276
31 <151> PRIOR FILING DATE: 2000-04-11
33 <150> PRIOR APPLICATION NUMBER: US 60/196,267
34 <151> PRIOR FILING DATE: 2000-04-11
36 <150> PRIOR APPLICATION NUMBER: US 60/196,460
37 <151> PRIOR FILING DATE: 2000-04-11
39 <150> PRIOR APPLICATION NUMBER: US 60/196,527
40 <151> PRIOR FILING DATE: 2000-04-11
42 <150> PRIOR APPLICATION NUMBER: US 60/196,528
43 <151> PRIOR FILING DATE: 2000-04-11
45 <150> PRIOR APPLICATION NUMBER: US 09/687,837
46 <151> PRIOR FILING DATE: 2000-10-13
48 <150> PRIOR APPLICATION NUMBER: US 60/240,503
49 <151> PRIOR FILING DATE: 2000-10-13
51 <150> PRIOR APPLICATION NUMBER: US 60/240,508
52 <151> PRIOR FILING DATE: 2000-10-13
54 <150> PRIOR APPLICATION NUMBER: US 60/240,539
55 <151> PRIOR FILING DATE: 2000-10-13
57 <150> PRIOR APPLICATION NUMBER: US 60/240,543
58 <151> PRIOR FILING DATE: 2000-10-13
60 <160> NUMBER OF SEQ ID NOS: 115
62 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

1060 <210> SEQ ID NO: 7
1061 <211> LENGTH: 9
1062 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 10/30/2001

PATENT APPLICATION: US/09/736,968

TIME: 11:19:58

Input Set : A:\-6-1-1.app

Output Set: N:\CRF3\10302001\I736968.raw

1063 <213> ORGANISM: Artificial Sequence
 1065 <220> FEATURE:
 1066 <223> OTHER INFORMATION: Description of Artificial Sequence:highly
 1067 conserved non-tyrosine containing region from
 1068 motif E
 1070 <220> FEATURE:
 1071 <221> NAME/KEY: MOD_RES
 1072 <222> LOCATION: (2)
 1073 <223> OTHER INFORMATION: Xaa = conservative amino acid substitution, Ile or
 E--> 1074 Leu
 1076 <220> FEATURE:
 1077 <221> NAME/KEY: MOD_RES
 1078 <222> LOCATION: (4)
 1079 <223> OTHER INFORMATION: Xaa = any amino acid
 1081 <220> FEATURE:
 1082 <221> NAME/KEY: MOD_RES
 1083 <222> LOCATION: (7)
 1084 <223> OTHER INFORMATION: Xaa = conservative amino acid substitution, Asp,
 1085 Glu or Gln
 1087 <220> FEATURE:
 1088 <221> NAME/KEY: MOD_RES
 1089 <222> LOCATION: (8)
 1090 <223> OTHER INFORMATION: Xaa = any amino acid
 W--> 1092 <210> SEQ ID NO:
 W--> 1092 <211> LENGTH:
 W--> 1092 <212> TYPE:
 W--> 1092 <213> ORGANISM:
 1092 <400> SEQUENCE: 7
 E-X 1093 Pro Xaa Glu Xaa Ala Ile Xaa Xaa Met
 1094 1 5
 1097 <210> SEQ ID NO: 8
 1098 <211> LENGTH: 16
 1099 <212> TYPE: PRT
 1100 <213> ORGANISM: Artificial Sequence
 1102 <220> FEATURE:
 1103 <223> OTHER INFORMATION: Description of Artificial Sequence:highly
 1104 conserved non-tyrosine containing region from
 1105 motif F
 1107 <220> FEATURE:
 1108 <221> NAME/KEY: MOD_RES
 1109 <222> LOCATION: (2)..(4)
 1110 <223> OTHER INFORMATION: Xaa = any amino acid
 1112 <220> FEATURE:
 1113 <221> NAME/KEY: MOD_RES
 1114 <222> LOCATION: (6)
 1115 <223> OTHER INFORMATION: Xaa = conservative amino acid substitution, Gln or
 E--> 1116 Asn
 1118 <220> FEATURE:
 1119 <221> NAME/KEY: MOD_RES

*move up;
 otherwise,
 considered
 error*

ignore - these are due to above error

move up

RAW SEQUENCE LISTING

DATE: 10/30/2001

PATENT APPLICATION: US/09/736,968

TIME: 11:19:58

Input Set : A:\-6-1-1.app

Output Set: N:\CRF3\10302001\I736968.raw

1120 <222> LOCATION: (8)..(15)

1121 <223> OTHER INFORMATION: Xaa = any amino acid

W--> 1123 <210> SEQ ID NO:

W--> 1123 <211> LENGTH:

W--> 1123 <212> TYPE: *ignore*

W--> 1123 <213> ORGANISM:

1123 <400> SEQUENCE: 8

OK 1124 Leu Xaa Met Xaa Leu Xaa Gly Xaa Val Xaa Xaa Xaa Val Asn Xaa Gly

1125 1

5

10

15

see p 4 for more errors

09/736,968 4

<210> 2
<211> 2047
<212> PRT

<213> Homo sapiens

<223> full length human CLASP-7

<400> 2

Met Ala Ala Ser Glu Arg Arg Ala Phe Ala His Lys Ile Asn Arg Thr
1 5 10 15

<220> insert this mandatory
numeric
identifier
wherever

<221>, <222>, or
<223> is shown

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

First

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/736,968

DATE: 10/30/2001

TIME: 11:20:00

Input Set : A:\-6-1-1.app

Output Set: N:\CRF3\10302001\I736968.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:1056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:1074 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:1 SEQ:7
L:1092 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1092 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1092 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1092 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1116 M:252 E: No. of Seq. differs, <211>LENGTH:Input:16 Found:1 SEQ:8
L:1123 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1123 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1123 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1123 M:282 W: Numeric Field Identifier Missing, <213> is required.